



200 West Mercer St. • Suite 401 • Seattle, WA 98119
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May 15, 2012

de maximis, inc.
Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Dear Willard,
Please find our invoice #0412 for Professional Time Rendered from April 1, 2012 to April 31, 2012 for The Passaic RI/FS project.

Task	Amount
Task 11 - Meetings and Communications	3,118.33
Task 16.14 Sm Forage Fish 2010 Tissue Rpt	77.25
Task 18.2 Benthic Lab Coordination	77.25
Task 18.3 Benthic Database Coordination	169.95
Task 18.8.2 Lab Coordination	3,115.75
Task 20.1.1 Rsp to EPA Cmts Data Use Plan	2,641.95
Task 23.2.2 CBS Spring 2011 Lab Mgmnt	77.25
Task 23.2.4 CBS Spring 2011 Data Report	77.25
Task 26 CPG Strategic Support	1,434.28
Task 29.1 Update RARC per EPA Cmts	4,588.65
Task 30.3 Follow-up fr June27 Bkgrd Mgt	7,529.30
Task 32.2 Bioaccumulation Model	28,549.03
Task 33 Ecol Profiles	27,548.97
Task 35 - SW High Vol Support	448.05
Task 36 Preliminary ERA	10,511.43
Task 36.1 Screening Assessment and TRV Ev	10,266.53
Task 36.2 Initial Benthic Assessment	14,718.70
	<u>\$ 114,949.92</u>

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Task 11 - Meetings and Communications

Invoice Date: 4/30/2012

Invoice Number: 9784

Bill To

Passaic RI/FS
Willard Potter
186 Center Street Suite 290
Clinton, NJ 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Jennifer Parker	1.5	150.00	225.00
Lisa Saban	14	160.00	2,240.00
Karen Tobiason	0.75	150.00	112.50
Shannon Katka	1.5	150.00	225.00
Chris Nelson	2.5	90.00	225.00
Subtotal			3,027.50
Computer Markup 3%		3.00%	90.83
Total Labor			3,118.33
Total			\$3,118.33



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Task 16.14 Sm Forage Fish 2010 Tissue Rpt

Invoice Date: 4/30/2012

Invoice Number: 9785

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Jennifer Parker	0.5	150.00	75.00
Computer Markup 3%		3.00%	2.25
Total Labor			77.25
Total			\$77.25



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Task 18.2 Benthic Lab Coordination

Invoice Date: 4/30/2012

Invoice Number: 9786

Bill To

Passaic RI/FS
Willard Potter
186 Center Street Suite 290
Clinton, NJ 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Karen Tobiason	0.5	150.00	75.00
Computer Markup 3%		3.00%	2.25
Total Labor			77.25
Total			\$77.25



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Task 18.3 Benthic Database Coordination

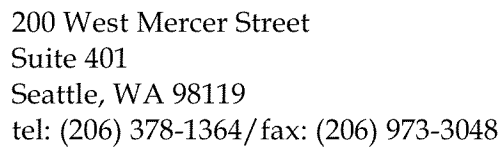
Invoice Date: 4/30/2012

Invoice Number: 9787

Bill To

Passaic RI/FS
Willard Potter
186 Center Street Suite 290
Clinton, NJ 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Kim Goffman	1.5	110.00	165.00
Computer Markup 3%		3.00%	4.95
Total Labor			169.95
Total			\$169.95



Invoice Date: 4/30/2012

Invoice Number: 9788

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Task 20.1.1 Rsp to EPA Cmts Data Use Plan

Invoice Date: 4/30/2012

Invoice Number: 9789

Bill To

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Willard Potter
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Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Lisa Saban	9	160.00	1,440.00
Shannon Katka	7.5	150.00	1,125.00
Subtotal			2,565.00
Computer Markup 3%		3.00%	76.95
Total Labor			2,641.95
Total			\$2,641.95



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Task 23.2.2 CBS Spring 2011 Lab Mgmnt

Invoice Date: 4/30/2012

Invoice Number: 9790

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Jennifer Parker	0.5	150.00	75.00
Computer Markup 3%		3.00%	2.25
Total Labor			77.25
Total			\$77.25



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Task 23.2.4 CBS Spring 2011 Data Report

Invoice Date: 4/30/2012

Invoice Number: 9791

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Jennifer Parker	0.5	150.00	75.00
Computer Markup 3%		3.00%	2.25
Total Labor			77.25
Total			\$77.25

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Task 26 CPG Strategic Support

Invoice Date: 4/30/2012

Invoice Number: 9792

Bill To

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Willard Potter
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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Nate Lewis	0.25	110.00	27.50
Lisa Saban	4	160.00	640.00
Linda Marsh	0.5	90.00	45.00
Mike Johns	4	170.00	680.00
Subtotal			1,392.50
Computer Markup 3%		3.00%	41.78
Total Labor			1,434.28
Total			\$1,434.28



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Task 29.1 Update RARC per EPA Cmts

Invoice Date: 4/30/2012

Invoice Number: 9793

Bill To

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Willard Potter
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Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Mike Johns	4	170.00	680.00
Lisa Saban	7	160.00	1,120.00
Shannon Katka	6	150.00	900.00
Shana Hinds	5.5	90.00	495.00
Karen Tobiason	3.5	150.00	525.00
Jennifer Parker	0.5	150.00	75.00
Linda Cognato	6	110.00	660.00
Subtotal			4,455.00
Computer Markup 3%		3.00%	133.65
Total Labor			4,588.65

Total

\$4,588.65

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Task 30.3 Follow-up fr June27 Bkgrd Mgt

Invoice Date: 4/30/2012

Invoice Number: 9794

Bill To

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Willard Potter
186 Center Street Suite 290
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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Lisa Saban	6	160.00	960.00
Shannon Katka	10.25	150.00	1,537.50
Mike Johns	25	170.00	4,250.00
Kim Goffman	4.5	110.00	495.00
Linda Marsh	0.75	90.00	67.50
Subtotal			7,310.00
Computer Markup 3%		3.00%	219.30
Total Labor			7,529.30
Total			\$7,529.30



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Task 32.2 Bioaccumulation Model

Invoice Date: 4/30/2012

Invoice Number: 9795

Bill To

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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
John Toll	21	160.00	3,360.00
Nancy Judd	75.5	150.00	11,325.00
Lucinda Tear	19	150.00	2,850.00
Nate Lewis	52.5	110.00	5,775.00
Sarah Fowler	9	90.00	810.00
Kim Goffman	8.5	110.00	935.00
Suzanne Replinger	9.75	110.00	1,072.50
Linda Cognato	13	110.00	1,430.00
Lisa Saban	1	160.00	160.00
Subtotal			27,717.50
Computer Markup 3%		3.00%	831.53
Total Labor			28,549.03

Total \$28,549.03



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Task 33 Ecol Profiles

Invoice Date: 4/30/2012

Invoice Number: 9796

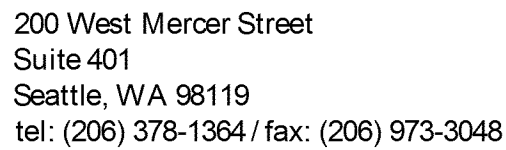
Bill To

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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Lisa Saban	10	160.00	1,600.00
Brian Church	14	110.00	1,540.00
Thai Do	63.25	110.00	6,957.50
Shana Hinds	52.75	90.00	4,747.50
Karen Tobiason	44.25	150.00	6,637.50
Shannon Katka	15.5	150.00	2,325.00
Kay Hessemer	6.75	70.00	472.50
Jennifer Parker	1.5	150.00	225.00
Berit Bergquist	13.5	150.00	2,025.00
Subtotal			26,530.00
Computer Markup 3%		3.00%	795.90
Total Labor			27,325.90
 COSTS			
Supplies (UWInvoice#LIB003368)		43.80	43.80
Supplies (UWInvoice#LIB003341)		153.30	153.30
Supplies(BOA4/15/12)		13.97	13.97
Supplies(BOA4/15/12)		12.00	12.00
Total Costs			223.07

Total

\$27,548.97



Invoice Number: 9797

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Task 36 Preliminary ERA

Invoice Date: 4/30/2012

Invoice Number: 9798

Bill To

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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Lisa Saban	28	160.00	4,480.00
Kim Goffman	6.5	110.00	715.00
Linda Marsh	5.5	90.00	495.00
Mike Johns	4	170.00	680.00
Shannon Katka	5.25	150.00	787.50
Subtotal			7,157.50
Computer Markup 3%		3.00%	214.73
Total Labor			7,372.23
 COSTS			
Travel (BOA3/15/12)		1,569.60	1,569.60
Travel (BOA3/15/12)		1,569.60	1,569.60
Total Costs			3,139.20

Total

\$10,511.43



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Task 36.1 Screening Assessment and TRV Ev

Invoice Date: 4/30/2012

Invoice Number: 9799

Bill To

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Willard Potter
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Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Jessica Huybregts	59	110.00	6,490.00
Lisa Saban	8	160.00	1,280.00
Shannon Katka	10.75	150.00	1,612.50
David DeForest	0.5	150.00	75.00
Mike Johns	3	170.00	510.00
Subtotal			9,967.50
Computer Markup 3%		3.00%	299.03
Total Labor			10,266.53

Total

\$10,266.53



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Task 36.2 Initial Benthic Assessment

Invoice Date: 4/30/2012

Invoice Number: 9800

Bill To

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Willard Potter
186 Center Street Suite 290
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from April 1, 2012 to April 30, 2012			
Linda Marsh	1.75	90.00	157.50
Karen Tobiason	4.5	150.00	675.00
Mike Yarnes	2.5	90.00	225.00
Brian Church	54.75	110.00	6,022.50
Mike Johns	14	170.00	2,380.00
Lucinda Tear	29	150.00	4,350.00
Lisa Saban	3	160.00	480.00
Subtotal			14,290.00
Computer Markup 3%		3.00%	428.70
Total Labor			14,718.70

Total

\$14,718.70

Passaic Labor Report

Task 11 - Meetings and Communications

Chris Nelson

Date	Hours	Rate	Extended	Notes
4/3/2012	1.00	90.00	\$90.00	Assisting Lisa with budgets.
4/16/2012	0.75	90.00	\$67.50	Assisting Lisa with budgets
4/17/2012	0.75	90.00	\$67.50	Assisting Lisa with budgets
Summary for Chris Nelson				
	2.50		\$225.00	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/2/2012	0.50	150.00	\$75.00	Review of dmi slides and sample count information.
4/24/2012	1.00	150.00	\$150.00	Chemist helped with slide presentation and provided tissue data to project team for TC meeting.
Summary for Jennifer Parker				
	1.50		\$225.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
4/2/2012	0.75	150.00	\$112.50	Review slides for meeting and provide updates for sample collection and field survey dates.
Summary for Karen Tobiason				
	0.75		\$112.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	160.00	\$320.00	review times and track tasks
4/4/2012	4.00	160.00	\$640.00	prepare for and attend TC mgt
4/15/2012	4.00	160.00	\$640.00	reviewing tasks and hours
4/18/2012	2.00	160.00	\$320.00	go over outstanding reports; discuss with dmi, send reminders out.
4/22/2012	2.00	160.00	\$320.00	update tasks and budgets

Summary for Lisa Saban

14.00

\$2,240.00

Shannon Katka

Date	Hours	Rate	Extended	Notes
4/2/2012	1.50	150.00	\$225.00	draft slides on updates to CPG review of risk assessment documents including RARC plant
Summary for Shannon Katka				
	1.50		\$225.00	

Summary for Task 11 - Meetings and Communications

20.25

\$3,027.50

Task 16.14 Sm Forage Fish 2010 Tissue Rpt

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/27/2012	0.50	150.00	\$75.00	Reviewed Tierra's comments on SFF data report.
Summary for Jennifer Parker				
	0.50		\$75.00	

Summary for Task 16.14 Sm Forage Fish 2010 Tissue Rpt

0.50

\$75.00

Task 18.2 Benthic Lab Coordination

Karen Tobiason

Date	Hours	Rate	Extended	Notes
4/9/2012	0.25	150.00	\$37.50	Review and approve invoice on sample storage fee
4/12/2012	0.25	150.00	\$37.50	Collect information on storage fees for benthic labs per request of dmi
Summary for Karen Tobiason				
	0.50		\$75.00	

Summary for Task 18.2 Benthic Lab Coordination

0.50

\$75.00

Task 18.3 Benthic Database Coordination

Kim Goffman

Date	Hours	Rate	Extended	Notes
4/12/2012	1.50	110.00	\$165.00	Download revised 10.9 dataset from ddms' ProjectPortal and evaluate changes/additions.
Summary for Kim Goffman				
	1.50		\$165.00	
Summary for Task 18.3 Benthic Database Coordination				
	1.50		\$165.00	

Task 18.8.2 Lab Coordination**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
4/3/2012	0.50	150.00	\$75.00	Chemist reviewed lab invoices and final invoice for dmi, and tracked costs.
4/11/2012	5.00	150.00	\$750.00	Contacted AP to verify calculations. Provided summary of the non-2,3,7,8 substituted dioxin/furan congeners and non-toxic PCB congeners quantification and the uncertainty for each as requested by dmi. Reviewed invoices and tracked costs.
4/12/2012	4.50	150.00	\$675.00	Reviewed the DFA plots and contacted AP to verify the information. Wrote summary memo that provided a summary of the DFA plots for dmi as requested. Contacted Vista and discussed dioxin/furan reporting as requested. Began storage fee tracking summary.
4/13/2012	4.50	150.00	\$675.00	Chemist calculated cumulative storage fees per FSP2 task and provided summary to dmi as requested. Chemist updated internal tracking sheets to be able to provide monthly summaries.
4/16/2012	0.50	150.00	\$75.00	Chemist reviewed dmi's memo on AP's data packages and provided redline version to dmi.
4/24/2012	2.00	150.00	\$300.00	Chemist reviewed Tierra's comments on AP data memo, reviewed method 1668A and 1613B, called AP to confirm frequency of analysis of standard, created redline comments, discussed with senior chemist, and requested PM review.
4/25/2012	0.50	150.00	\$75.00	Chemist provided dmi with comments on the AP data memo as edited by Tierra, reviewed e-mail correspondence, and had a discussion with dmi about a call with Tierra to discuss the memo edits.
Summary for Jennifer Parker				
	17.50		\$2,625.00	

Susan McGroddy

Date	Hours	Rate	Extended	Notes
4/11/2012	1.50	160.00	\$240.00	Review dioxin method write up.

4/12/2012	1.00	160.00	\$160.00	Review dioxin method write up.
Summary for Susan McGroddy				
	2.50		\$400.00	

Summary for Task 18.8.2 Lab Coordination
20.00 **\$3,025.00**

Task 20.1.1 Rsp to EPA Cmts Data Use Plan

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/11/2012	4.00	160.00	\$640.00	review of changes to data use per cpg comments and review EPA RTC and document for submittal on Friday.
4/12/2012	1.00	160.00	\$160.00	final review for tomorrows delivery
4/24/2012	2.00	160.00	\$320.00	work on data use issues
4/25/2012	2.00	160.00	\$320.00	work on data use issues
Summary for Lisa Saban				
	9.00		\$1,440.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
4/12/2012	2.50	150.00	\$375.00	edits to data usability plan per CPG (Integral) and AECOM edits for dmi submittal
4/13/2012	2.75	150.00	\$412.50	final edits/review to data usability memo for EPA submittal, post final files
4/16/2012	0.75	150.00	\$112.50	write up summary of text correction to data usability memo
4/18/2012	0.75	150.00	\$112.50	review of data usability rule slides for 5/1 CPG presentation
4/19/2012	0.75	150.00	\$112.50	review of data usability rule slides for 5/1 CPG presentation
Summary for Shannon Katka				
	7.50		\$1,125.00	

Summary for Task 20.1.1 Rsp to EPA Cmts Data Use Plan
16.50 **\$2,565.00**

Task 23.2.2 CBS Spring 2011 Lab Mgmnt

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/5/2012	0.50	150.00	\$75.00	Chemist reviewed invoices and tracked costs.

Summary for Jennifer Parker
0.50 \$75.00

Summary for Task 23.2.2 CBS Spring 2011 Lab Mgmt
0.50 \$75.00

Task 23.2.4 CBS Spring 2011 Data Report

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/27/2012	0.50	150.00	\$75.00	Reviewed Tierra's comments on caged bivalve data report.

Summary for Jennifer Parker
0.50 \$75.00

Summary for Task 23.2.4 CBS Spring 2011 Data Report
0.50 \$75.00

Task 26 CPG Strategic Support

Linda Marsh

Date	Hours	Rate	Extended	Notes
4/26/2012	0.50	90.00	\$45.00	Revised the sampling locations map layout for powerpoint.

Summary for Linda Marsh
0.50 \$45.00

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/22/2012	2.00	160.00	\$320.00	work on smwg presentaiton
4/27/2012	2.00	160.00	\$320.00	finish smwg presentation and send to cpg

Summary for Lisa Saban
4.00 \$640.00

Mike Johns

Date	Hours	Rate	Extended	Notes
4/26/2012	2.00	170.00	\$340.00	Strategy development relative to risk assessments and SMWG presentation
4/27/2012	2.00	170.00	\$340.00	SMWG presentation

Summary for Mike Johns

4.00

\$680.00

Nate Lewis

Date	Hours	Rate	Extended	Notes
4/18/2012	0.25	110.00	\$27.50	Creating powerpoint slides for Lisa Saban
Summary for Nate Lewis	0.25		\$27.50	

Summary for Task 26 CPG Strategic Support

8.75

\$1,392.50

Task 29.1 Update RARC per EPA Cmts

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/12/2012	0.50	150.00	\$75.00	Provided information to address RTCs.
Summary for Jennifer Parker	0.50		\$75.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
4/11/2012	1.00	150.00	\$150.00	Work on RTC to RARC.
4/13/2012	2.50	150.00	\$375.00	Review documents prior to posting and assist with posting to project portal and EPA sharepoint.
Summary for Karen Tobiason	3.50		\$525.00	

Linda Cognato

Date	Hours	Rate	Extended	Notes
4/13/2012	6.00	110.00	\$660.00	Prepared RARC and all appendix files for delivery to EPA. Checked footers, changed dates, checked and fixed logos, removed P&C, fixed logos, fixed page breaks, checked and fixed pagination issues, updated TOCs, fixed table breaks, created conformed file, created clean file, updated TOCs in clean file, checked pagination in clean file, performed sweeps of clean file, removed blank rows, updated TOCs in clean file, fixed figures, created figure folio, created appendix dividers, attached divider files to Word or PDF files, as appropriate, merged PDF files, helped Karen resolve EndNote issues in Appendix C (life histories), created portfolios of appendix files, created portfolio for all appendices, created portfolio for main document

Summary for Linda Cognato

6.00

\$660.00

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	160.00	\$320.00	go over rarc rtc and changes
4/12/2012	4.00	160.00	\$640.00	final review of rarc
4/13/2012	1.00	160.00	\$160.00	work with shannon on epa submission. RARC submitted to EPA.
Summary for Lisa Saban				
	7.00		\$1,120.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
4/2/2012	4.00	170.00	\$680.00	Work on RASC revisions and review text modifications
Summary for Mike Johns				
	4.00		\$680.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
4/11/2012	5.50	90.00	\$495.00	Review all additional appendix redline. Compile RARC RTC
Summary for Shana Hinds				
	5.50		\$495.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
4/9/2012	0.75	150.00	\$112.50	edits to RARC plan transmittal letter
4/12/2012	1.50	150.00	\$225.00	edits to RARC plan and RTC per CPG edits/EPA comments for dmi submittal
4/13/2012	3.75	150.00	\$562.50	final edits/review to RARC plan for EPA submittal, edits per AECOM review, organize and post final files
Summary for Shannon Katka				
	6.00		\$900.00	

Summary for Task 29.1 Update RARC per EPA Cmts**32.50****\$4,455.00****Task 30.3 Follow-up fr June27 Bkgrd Mgt**

Kim Goffman

Date	Hours	Rate	Extended	Notes
4/5/2012	2.00	110.00	\$220.00	Address data questions from background memo comments.
4/9/2012	0.50	110.00	\$55.00	Respond to comments in background memo - QC mercury concentrations.
4/10/2012	2.00	110.00	\$220.00	Compile revised Attachment H database for EPA submittal.
Summary for Kim Goffman				
	4.50		\$495.00	

Linda Marsh

Date	Hours	Rate	Extended	Notes
4/9/2012	0.75	90.00	\$67.50	Made maps for shrew dioxin and shorebird mercury.
Summary for Linda Marsh				
	0.75		\$67.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	160.00	\$320.00	discuss background comments, rtc, and changes
4/11/2012	2.00	160.00	\$320.00	continue on background doc for submittal friday
4/12/2012	2.00	160.00	\$320.00	review final background rtc and pieces, submittal to EPA tomorrow.
Summary for Lisa Saban				
	6.00		\$960.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
4/3/2012	3.00	170.00	\$510.00	Work on Bkg docuemtn comments
4/4/2012	6.00	170.00	\$1,020.00	Work on bkg document revisions
4/5/2012	6.00	170.00	\$1,020.00	Continue to work on revisions
4/6/2012	4.00	170.00	\$680.00	Finish comments on bkg document
4/9/2012	6.00	170.00	\$1,020.00	Finish final review of brk document and RTC
Summary for Mike Johns				
	25.00		\$4,250.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
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4/2/2012	1.00	150.00	\$150.00	review CPG comments on background memo
4/9/2012	4.50	150.00	\$675.00	edits to background memo and RTC per CPG comments
4/12/2012	2.50	150.00	\$375.00	edits to background memo and RTC per CPG comments for dmi submittal
4/13/2012	2.25	150.00	\$337.50	final edits/review to RARC plan Appendix B (background appendix) for EPA submittal, edits per Rob review, organize and post final files

Summary for Shannon Katka
10.25

\$1,537.50

Summary for Task 30.3 Follow-up fr June27 Bkgrd Mgt
46.50 **\$7,310.00**

Task 32.2 Bioaccumulation Model

John Toll

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	160.00	\$320.00	Review progress on recalibration, meet with team working on GSA to discuss likelihood functions
4/3/2012	3.00	160.00	\$480.00	Prepared presentation slides for 4/4/12 TC meeting
4/4/2012	2.50	160.00	\$400.00	Attended the afternoon portion of the TC meeting, met with staff to wrap up the calibration refinement and plan GSA
4/9/2012	2.00	160.00	\$320.00	Evaluated team's progress on calibration refinement and GSA. Planned next steps for calibration refinement.
4/11/2012	2.00	160.00	\$320.00	Met with the WW team to provide direction on GSA development. Met with NJ about latest calibration refinement results and options for improving some of the weaker model predictions.
4/12/2012	1.00	160.00	\$160.00	Planning team's work for while I'm away next week
4/13/2012	1.50	160.00	\$240.00	Updates on incorporation of new unvalidated surface water data and calibration, progress on GSA programming.
4/23/2012	2.00	160.00	\$320.00	Met with staff to review progress on GSA and recalibration efforts and map out tasks for the rest of the week
4/25/2012	1.00	160.00	\$160.00	Worked with staff on GSA model building
4/27/2012	3.00	160.00	\$480.00	Reviewed two drafts of the draft bioaccumulation model calibration refinement tech memo and worked with staff on GSA issues
4/30/2012	1.00	160.00	\$160.00	Reviewed final draft calibration refinement TM and submitted it to dmi

Summary for John Toll

21.00

\$3,360.00

Kim Goffman

Date	Hours	Rate	Extended	Notes
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4/3/2012	1.00	110.00	\$110.00	Import location reference data for CWCM dataset.
4/6/2012	4.50	110.00	\$495.00	Create location-averaged CWCM dataset. Begin data reduction for FWM use.
4/9/2012	2.00	110.00	\$220.00	Create location-averaged CWCM dataset. Finish data reduction for FWM use, summarize results.
4/10/2012	0.50	110.00	\$55.00	Update FWM CWCM summaries with additional parameters.
4/13/2012	0.50	110.00	\$55.00	Export paired worm and colocated sediment data.
Summary for Kim Goffman		8.50	\$935.00	

Linda Cognato

Date	Hours	Rate	Extended	Notes
4/24/2012	5.50	110.00	\$605.00	Began editing of recalibration report. Checked page layout, checked footers, changed date, checked TOC, checked page breaks, reformatted tables, edited tables, checked table footnotes, checked table acronyms, began editing text.
4/25/2012	2.50	110.00	\$275.00	Finished editing recalibration report, identified issues, and began reviewing questions/issues with Nancy.
4/27/2012	0.50	110.00	\$55.00	Completed review of questions with Nancy
4/28/2012	4.00	110.00	\$440.00	Read and edited revised text, fixed formatting on tables, replaced EndNote citations, checked acronyms, rechecked table callouts, performed sweeps, checked spelling, identified issues, checked pagination, changed dates, updated TOC.
4/30/2012	0.50	110.00	\$55.00	Editing of final changes to FWM recalibration memo and preparation of document for delivery to client
Summary for Linda Cognato		13.00	\$1,430.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/29/2012	1.00	160.00	\$160.00	review draft rpt for john
Summary for Lisa Saban		1.00	\$160.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
4/2/2012	5.00	150.00	\$750.00	Discuss GSA with NJ and JT to develop approach; look at empirical distributions; write talking points for JT's meeting
4/3/2012	2.00	150.00	\$300.00	revise talking points to include ProUCL info about skewness
4/10/2012	1.50	150.00	\$225.00	strawman for GSA
4/11/2012	2.00	150.00	\$300.00	Begin GSA set up

4/16/2012	2.00	150.00	\$300.00	GSA analyses
4/18/2012	2.00	150.00	\$300.00	parameterize FWM for water chem results;
4/23/2012	2.00	150.00	\$300.00	develop formula for lognormal pdf in Excel, discuss with Nate
4/25/2012	2.50	150.00	\$375.00	Weibull distribution for excel; discuss with Nate; email to group
Summary for Lucinda Tear		19.00	\$2,850.00	

Nancy Judd

Date	Hours	Rate	Extended	Notes
4/2/2012	6.50	150.00	\$975.00	Distributions for empirical data for GSA, start sens analysis set up
4/3/2012	1.25	150.00	\$187.50	Review slides for presentation on FWM for CPG call
4/4/2012	3.75	150.00	\$562.50	Set up for sensitivity analysis for GSA
4/6/2012	4.00	150.00	\$600.00	Validated water datae, @Risk filters, begin recalibration documentation
4/9/2012	5.25	150.00	\$787.50	FWM recalibration
4/11/2012	5.50	150.00	\$825.00	GSA approach development
4/13/2012	6.75	150.00	\$1,012.50	Water data from AECOM, review benthic benthic deposit feeder predictions, GSA approach
4/16/2012	6.75	150.00	\$1,012.50	Water data, GSA approach, crab metabolism, recalibration memo
4/18/2012	7.25	150.00	\$1,087.50	Water evaluation- new distributions based on both water sampling events, DEP issue in model, example monte carlo runs for use in GSA
4/23/2012	6.75	150.00	\$1,012.50	Finalizing model calibration, calibration refinement report writing
4/25/2012	8.25	150.00	\$1,237.50	FWM calibration refinement report complete draft, revisions with Linda
4/27/2012	7.25	150.00	\$1,087.50	Revisions to calibration refinement report, begin model sensitivity analysis
4/30/2012	6.25	150.00	\$937.50	Complete revisions to April calibration report, begin Monte Carlo simulation for sensitivity analysis
Summary for Nancy Judd		75.50	\$11,325.00	

Nate Lewis

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	110.00	\$220.00	Updating SS FWM for new calibration
4/2/2012	2.00	110.00	\$220.00	Creating graphs comparing FWM predicted concentrations to empirical data for John's presentation
4/3/2012	1.00	110.00	\$110.00	Updating SS FWM for new calibration
4/3/2012	1.00	110.00	\$110.00	Creating graphs comparing FWM predicted concentrations to empirical data for John's presentation
4/4/2012	2.00	110.00	\$220.00	Reviewing updated SS FWM and discussing outstanding work with Nancy Judd

4/4/2012	0.25	110.00	\$27.50	Creating graphs comparing FWM predicted concentrations to empirical data for John's presentation
4/5/2012	2.50	110.00	\$275.00	QCing @Risk version of SS FWM
4/6/2012	1.00	110.00	\$110.00	Updating SS FWM
4/9/2012	5.00	110.00	\$550.00	Updating SS FWM
4/10/2012	2.75	110.00	\$302.50	Reviewing and QCing updated SS FWM with Sarah Fowler
4/11/2012	2.00	110.00	\$220.00	Passaic GSA discussion
4/12/2012	3.00	110.00	\$330.00	Updating SS FWM
4/13/2012	1.50	110.00	\$165.00	Summarizing round 2 water data
4/13/2012	3.00	110.00	\$330.00	Creating GSA template
4/16/2012	3.00	110.00	\$330.00	Summarizing 2nd round water data
4/16/2012	2.00	110.00	\$220.00	Passaic SS FWM GSA
4/17/2012	2.00	110.00	\$220.00	Passaic SS FWM GSA
4/18/2012	1.75	110.00	\$192.50	Passaic SS FWM GSA
4/18/2012	2.00	110.00	\$220.00	Review of SS FWM DEP calculations
4/19/2012	3.00	110.00	\$330.00	Review of SS FWM DEP calculations
4/20/2012	1.75	110.00	\$192.50	Review of SS FWM DEP calculations
4/23/2012	1.50	110.00	\$165.00	FWM GSA
4/23/2012	2.00	110.00	\$220.00	Updating SS FWM
4/24/2012	0.50	110.00	\$55.00	FWM GSA
4/25/2012	2.00	110.00	\$220.00	FWM GSA
4/30/2012	0.75	110.00	\$82.50	FWM GSA
4/30/2012	1.25	110.00	\$137.50	FWM sensitivity analysis
Summary for Nate Lewis		52.50	\$5,775.00	

Sarah Fowler

Date	Hours	Rate	Extended	Notes
4/3/2012	1.00	90.00	\$90.00	filter model results according to diet portions.
4/4/2012	3.00	90.00	\$270.00	run FWM for calibration and work on diet filters.
4/5/2012	1.00	90.00	\$90.00	QC filters on FWM
4/10/2012	3.00	90.00	\$270.00	QC FWM with different river miles, add diet filters
4/25/2012	1.00	90.00	\$90.00	help with filter3ed runs for sensitivity analysis.
Summary for Sarah Fowler		9.00	\$810.00	

Suzanne Replinger

Date	Hours	Rate	Extended	Notes
4/16/2012	3.50	110.00	\$385.00	plots comparing water data (Aug 2011 + Feb 2012 events)

4/17/2012	2.75	110.00	\$302.50	additional plots comparing water data (Aug 2011 + Feb 2012 events)
4/18/2012	3.50	110.00	\$385.00	plots for PCB homologs comparing water data (Aug 2011 + Feb 2012 events)
Summary for Suzanne Replinger		9.75	\$1,072.50	

Summary for Task 32.2 Bioaccumulation Model
209.25 \$27,717.50

Task 33 Ecol Profiles

Berit Bergquist

Date	Hours	Rate	Extended	Notes
4/10/2012	1.00	150.00	\$150.00	address CPG comments on white perch life history profile
4/11/2012	6.00	150.00	\$900.00	finish addressing CPG comments on white perch and catfish life history profile
4/12/2012	6.50	150.00	\$975.00	finish addressing CPG comments on American eel and catfish; review and accept edits in response to comments document in preparation for document submittal
Summary for Berit Bergquist		13.50	\$2,025.00	

Brian Church

Date	Hours	Rate	Extended	Notes
4/2/2012	4.75	110.00	\$522.50	Responding to comments on American eel and bass; finished eel, nearly finished with bass
4/3/2012	2.75	110.00	\$302.50	Bass Life history profiles, eel life history profiles; finished both and sent them off for add'l review
4/4/2012	0.50	110.00	\$55.00	Discussing odds and ends with eel and bass LHPs
4/5/2012	3.00	110.00	\$330.00	Collecting sources, addressing comments to multiple sections, tracking down info for Karen on bass numbers and methods
4/6/2012	3.00	110.00	\$330.00	Addressing comments and trying to find additional documentation for mammals sections
Summary for Brian Church		14.00	\$1,540.00	

Jennifer Parker

Date	Hours	Rate	Extended	Notes
4/6/2012	1.50	150.00	\$225.00	Chemist helped performed QC on life history profiles.
Summary for Jennifer Parker		1.50	\$225.00	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
4/2/2012	4.50	150.00	\$675.00	Obtain additional references for mussels, update text and RTC, review questions on bass section.
4/3/2012	5.00	150.00	\$750.00	Collect additional references on mussels and bass, update profiles.
4/4/2012	4.00	150.00	\$600.00	Review eel life history profile and RTC.
4/5/2012	5.00	150.00	\$750.00	Check for additional sources describing home range for bass, update profile and RTC, finish responding to CPG comments on bass.
4/6/2012	5.50	150.00	\$825.00	Update life history profile on catfish and respond to CPG comments.
4/9/2012	1.50	150.00	\$225.00	Update information on catfish based on new citations.
4/10/2012	4.00	150.00	\$600.00	Continue to work on consistency in LHP and update RTC, update bass section.
4/11/2012	4.25	150.00	\$637.50	Coordinate revisions to white perch, American eel, and blue crab sections.
4/12/2012	6.50	150.00	\$975.00	Review additions to American eel, catfish, carp, blue crab sections of LHP, work on remaining questions for birds and mammals, update Windward citations to include final data reports, start final sweeps of document, coordinate final edits to RTC.
4/13/2012	4.00	150.00	\$600.00	Conduct final sweeps through LPH, including mummichog, update citations for consistency, assist posting of RARC documents, coordinate with dmi for project folders.
Summary for Karen Tobiason				
	44.25		\$6,637.50	

Kay Hessemer

Date	Hours	Rate	Extended	Notes
4/2/2012	3.00	70.00	\$210.00	Enter references into EndNote database
4/3/2012	2.50	70.00	\$175.00	Enter references into EndNote database
4/5/2012	0.25	70.00	\$17.50	Enter references into EndNote database
4/10/2012	1.00	70.00	\$70.00	Enter references into EndNote
Summary for Kay Hessemer				
	6.75		\$472.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/1/2012	1.00	160.00	\$160.00	reviewed changes to life history profiles
4/2/2012	1.00	160.00	\$160.00	reviewed changes to life history profiles
4/3/2012	1.00	160.00	\$160.00	continue to work on direction and review for life history profiles

4/9/2012	1.00	160.00	\$160.00	answer staff questions on lhp
4/10/2012	4.00	160.00	\$640.00	continue lhp review and answering questions and follow up; review rtc to cpg.submission of document on friday to EPA.
4/12/2012	2.00	160.00	\$320.00	final review of lhp; submittal to EPA tomorrow
Summary for Lisa Saban				
	10.00		\$1,600.00	

Shana Hinds

Date	Hours	Rate	Extended	Notes
4/2/2012	6.25	90.00	\$562.50	Edit life history profiles.
4/3/2012	7.50	90.00	\$675.00	Review/edit author changes to RARC, edit life history profiles
4/4/2012	4.00	90.00	\$360.00	Life history profile for herons & egrets.
4/5/2012	8.00	90.00	\$720.00	Edit life history profiles, correct EN references
4/6/2012	0.50	90.00	\$45.00	Edit life history profiles
4/9/2012	8.00	90.00	\$720.00	Edit life history profiles, format EN references.
4/10/2012	5.50	90.00	\$495.00	Review Appendix B redline
4/12/2012	7.50	90.00	\$675.00	RARC App F addl. communications, continued life history profile edits, compile # renumber LHP RTCs
4/13/2012	5.50	90.00	\$495.00	Final life history profile edit
Summary for Shana Hinds				
	52.75		\$4,747.50	

Shannon Katka

Date	Hours	Rate	Extended	Notes
4/2/2012	2.00	150.00	\$300.00	edits to life history profiles- updates based on spring 2011 survey for all of the bird receptors
4/3/2012	1.00	150.00	\$150.00	continue edits to life history profiles- updates based on spring 2011 survey for all of the bird receptors
4/4/2012	4.00	150.00	\$600.00	continue edits to life history profiles- complete review of bird comments addressed for heron/egret and black-crowned night heron
4/5/2012	3.50	150.00	\$525.00	finish review of bird life history profiles - belted kingfisher
4/6/2012	2.00	150.00	\$300.00	review of mink and river otter LHP edits per CPG comments
4/9/2012	0.75	150.00	\$112.50	work with Thai on edits to bird profiles based on updated survey information and consistency among LHP section
4/12/2012	0.50	150.00	\$75.00	review of consistency language iin bird and mammal LHPs per CPG comments
4/13/2012	1.75	150.00	\$262.50	final edits/review to RARC plan Appendix C (LHPs) for EPA submittal, post final files
Summary for Shannon Katka				
	15.50		\$2,325.00	

Thai Do

Date	Hours	Rate	Extended	Notes
4/2/2012	0.50	110.00	\$55.00	Review Ludwig et al. article to help Shannon address sandpiper/mallard life history comment
4/2/2012	7.50	110.00	\$825.00	Review primary literature to address life history profile comments for carp.
4/3/2012	6.50	110.00	\$715.00	Continue literature review, QC data sources and facts and addressing carp life history profile comments; Begin bass and eel life history profile comments.
4/4/2012	8.00	110.00	\$880.00	Literature review and addressing American eel life history profile comments.
4/5/2012	8.00	110.00	\$880.00	Complete literature review, QC data sources and facts and addressing American eel life history profile comments.
4/6/2012	7.00	110.00	\$770.00	Literature review, QC data sources and facts and addressing bird life history profile comments.
4/6/2012	0.25	110.00	\$27.50	Addressing bass life history profile comments.
4/9/2012	7.00	110.00	\$770.00	Review literature and WW bird surveys to address CPG comments on bird LHPs
4/10/2012	6.50	110.00	\$715.00	Review literature to address CPG LHP comments son American eel
4/11/2012	4.00	110.00	\$440.00	Continue addressing CPG comments on bird LHPs
4/11/2012	4.00	110.00	\$440.00	Continue addressing CPG comments on fish LHPs
4/12/2012	1.50	110.00	\$165.00	Continue addressing CPG comments on fish LHPs
4/13/2012	1.00	110.00	\$110.00	Continue addressing CPG comments on bird LHPs
4/13/2012	1.50	110.00	\$165.00	Continue addressing CPG comments on fish LHPs
Summary for Thai Do		63.25	\$6,957.50	

Summary for Task 33 Ecol Profiles**221.50****\$26,530.00****Task 35 - SW High Vol Support****Lisa Saban**

Date	Hours	Rate	Extended	Notes
4/13/2012	1.00	160.00	\$160.00	discussion with thai on high water
Summary for Lisa Saban		1.00	\$160.00	

Thai Do

Date	Hours	Rate	Extended	Notes
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4/9/2012	0.50	110.00	\$55.00	Field coordination with AECOM for HVS study
4/12/2012	1.50	110.00	\$165.00	Coordinate with AECOM and Grevity on HVS sampling schedule
4/13/2012	0.50	110.00	\$55.00	Field coordination with AECOM for HVS study
Summary for Thai Do				
	2.50		\$275.00	
Summary for Task 35 - SW High Vol Support				
	3.50		\$435.00	

Task 36 Preliminary ERA

Kim Goffman

Date	Hours	Rate	Extended	Notes
4/16/2012	2.00	110.00	\$220.00	Begin preparing slide presentation of data rules.
4/17/2012	0.50	110.00	\$55.00	Continue preparing slide presentation of data rules.
4/18/2012	2.00	110.00	\$220.00	Continue preparing slide presentation of data rules.
4/19/2012	2.00	110.00	\$220.00	Continue preparing slide presentation of data rules. Export comparison of summing rule differences.
Summary for Kim Goffman				
	6.50		\$715.00	

Linda Marsh

Date	Hours	Rate	Extended	Notes
4/19/2012	3.25	90.00	\$292.50	Began a map of sample locations for the site-wide UCL and QC of mudflat locations after LRC location corrections.
4/20/2012	2.25	90.00	\$202.50	Finished mudflat QC and a map of sample locations for the site-wide UCL.
Summary for Linda Marsh				
	5.50		\$495.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/1/2012	2.00	160.00	\$320.00	developing sow for bera preliminary tasks
4/4/2012	4.00	160.00	\$640.00	continue and finalize sow for bera preliminary tasks
4/9/2012	1.00	160.00	\$160.00	review of ecorisk notes and start on action items from last meeting in prep for may meeting
4/17/2012	3.00	160.00	\$480.00	preparing for may rasc mgt; going onver data rules presentaiton topics
4/24/2012	4.00	160.00	\$640.00	prepare presentations for upcoming rasc mgt
4/25/2012	4.00	160.00	\$640.00	prepare for upcoming rasc mgt

4/29/2012	2.00	160.00	\$320.00	prep for rasc mgt
4/30/2012	8.00	160.00	\$1,280.00	prepare for rasc mgt; two presentations.
Summary for Lisa Saban		28.00	\$4,480.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
4/23/2012	4.00	170.00	\$680.00	strategy development
Summary for Mike Johns		4.00	\$680.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
4/25/2012	2.25	150.00	\$337.50	update data rules presentation for RASC meeting per Lisa comments
4/26/2012	1.50	150.00	\$225.00	additions to data slides based on LRC sampling location definition per risk tool database
4/27/2012	1.50	150.00	\$225.00	revisions to data rules slides for RARC presentation per Betsy comments
Summary for Shannon Katka		5.25	\$787.50	

Summary for Task 36 Preliminary ERA	49.25	\$7,157.50
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Task 36.1 Screening Assessment and TRV Ev

David DeForest

Date	Hours	Rate	Extended	Notes
4/18/2012	0.50	150.00	\$75.00	Plant TRVs - discussion with Jessica and links to possible sources of additional data.
Summary for David DeForest		0.50	\$75.00	

Jessica Huybregts

Date	Hours	Rate	Extended	Notes
4/2/2012	0.50	110.00	\$55.00	Prepared 2 slides for Lisa re: preliminary screen results tables.
4/2/2012	1.00	110.00	\$110.00	Completed updates to max as EPC screening tables based on new sediment data.

4/3/2012	1.00	110.00	\$110.00	Met with Lisa and Shannon to go over TRV analysis approach for those chemicals that exceed LOAEL HQ screen. Prep'd for meeting (printed tables)
4/6/2012	4.00	110.00	\$440.00	Investigated mink prey portions. Started LOAEL HQ exceedence/TRV table.
4/9/2012	4.00	110.00	\$440.00	TRV analysis for chemicals/LOEs/receptors HQs>1.
4/10/2012	4.00	110.00	\$440.00	TRV analysis for chemicals/LOEs/receptors HQs>1.
4/11/2012	5.00	110.00	\$550.00	Data distribution analysis for chemicals/LOEs/receptors HQs>1.
4/12/2012	6.00	110.00	\$660.00	Data distribution analysis for chemicals/LOEs/receptors HQs>1.
4/13/2012	6.00	110.00	\$660.00	Data distribution and prelim sensitivity analysis review for chemicals/LOEs/receptors HQs>1.
4/16/2012	3.00	110.00	\$330.00	TRV screen analysis
4/17/2012	0.75	110.00	\$82.50	Discussed HQ/TRV evaluation with Lisa and Shannon. Determined path forward to summarize info.
4/18/2012	3.00	110.00	\$330.00	TRV screen analysis
4/19/2012	6.00	110.00	\$660.00	TRV screen analysis
4/20/2012	2.75	110.00	\$302.50	Started presentation for TRV screen analysis
4/21/2012	3.00	110.00	\$330.00	Presentation for TRV screen analysis
4/23/2012	5.00	110.00	\$550.00	ERA screen presentation
4/24/2012	4.00	110.00	\$440.00	ERA screen presentation
Summary for Jessica Huybregts		59.00	\$6,490.00	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/3/2012	1.00	160.00	\$160.00	meet with jessica and discuss outcomes and path forward on evaluating chemicals that screen through
4/13/2012	2.00	160.00	\$320.00	review and discuss PCBs and dioxin screen
4/16/2012	2.00	160.00	\$320.00	review results and discuss presentation for may mgt
4/27/2012	3.00	160.00	\$480.00	review and go over each receptor path forward
Summary for Lisa Saban		8.00	\$1,280.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
4/25/2012	3.00	170.00	\$510.00	review SLRA results and summarize for RASC mtg
Summary for Mike Johns		3.00	\$510.00	

Shannon Katka

Date	Hours	Rate	Extended	Notes
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4/16/2012	1.00	150.00	\$150.00	review of preliminary HQ results/evaluation update with Jessica; look into options for evaluating dietary sensitivity on HQ results
4/17/2012	4.00	150.00	\$600.00	evaluation of preliminary risk calculation results - review of assumptions and preliminary risk results based on dietary portions and selected TRVs; look into assumption details on fish:egg conversion factors and bird prey sizes of fish
4/19/2012	1.50	150.00	\$225.00	continued evaluation of fish:egg conversion factors and review of overall summary points for preliminary risk calculations
4/20/2012	0.75	150.00	\$112.50	go over additional analysis risk calculation options with Jessica
4/24/2012	2.25	150.00	\$337.50	review preliminary risk results presentation for RASC meeting
4/25/2012	0.75	150.00	\$112.50	update preliminary risk results presentation for RASC meeting per Lisa comments
4/27/2012	0.50	150.00	\$75.00	update preliminary risk results presentation for RASC meeting per Lisa comments; review of risk results
Summary for Shannon Katka				
	10.75		\$1,612.50	
Summary for Task 36.1 Screening Assessment and TRV Ev				
	81.25		\$9,967.50	

Task 36.2 Initial Benthic Assessment

Brian Church

Date	Hours	Rate	Extended	Notes
4/6/2012	1.00	110.00	\$110.00	Meeting to discuss the data again and getting more direction; addressing benthic dataset
4/9/2012	3.00	110.00	\$330.00	Worked with PCA, correlation outputs from XLSTAT; talked about setup, output, and implications with Lucinda; received some additional direction as to how to work with PCA in a linear, logical fashion
4/10/2012	5.75	110.00	\$632.50	Correlation and PCA of freshwater data; started estuarine and will finish tomorrow
4/11/2012	7.00	110.00	\$770.00	PCA, correlation analyses
4/12/2012	5.00	110.00	\$550.00	PCA, correlation analyses, data rearrangement
4/13/2012	6.00	110.00	\$660.00	PCA, correlation analyses, spatial analysis, talked with Lucinda about direction for analysis, created scatterplots of toxicity data with strong correlations to chemical data
4/16/2012	9.00	110.00	\$990.00	Analysis of spatial component of data; analysis of outliers; discussion of missing items with Lucinda; summarizing information for meeting tomorrow.
4/17/2012	4.25	110.00	\$467.50	Discussion of current state of exploration; got direction; started to explore additional data
4/18/2012	5.25	110.00	\$577.50	Revised data, added water quality data, reran analyses, and updated summary spreadsheet
4/19/2012	4.25	110.00	\$467.50	Created histograms from counts of significance; discussed graphs briefly with Mike

4/20/2012	2.75	110.00	\$302.50	Finished creating histograms of significance counts
4/23/2012	1.50	110.00	\$165.00	Read through laboratory reports of toxicity tests; briefly explored data from sites that had non-significant toxicity
Summary for Brian Church				
	54.75		\$6,022.50	

Karen Tobiason

Date	Hours	Rate	Extended	Notes
4/5/2012	1.00	150.00	\$150.00	Work on summarizing data for benthic analysis.
4/6/2012	1.25	150.00	\$187.50	Review data and work on analyses for toxicity data.
4/9/2012	1.25	150.00	\$187.50	Work on strategy for assessment of benthic data.
4/11/2012	1.00	150.00	\$150.00	Update on benthic evaluation, correlations and pca.
Summary for Karen Tobiason				
	4.50		\$675.00	

Linda Marsh

Date	Hours	Rate	Extended	Notes
4/5/2012	0.50	90.00	\$45.00	Discussed benthic risk map needs.
4/13/2012	1.25	90.00	\$112.50	Made a map of Brian's exploratory analysis data.
Summary for Linda Marsh				
	1.75		\$157.50	

Lisa Saban

Date	Hours	Rate	Extended	Notes
4/18/2012	3.00	160.00	\$480.00	working with mike, brian, lucinda on benthic pca results, benthic exploratory analysis
Summary for Lisa Saban				
	3.00		\$480.00	

Lucinda Tear

Date	Hours	Rate	Extended	Notes
4/9/2012	4.00	150.00	\$600.00	Run initial PCA check on nonchemical stressors, create "education" document for Brian, annotate his PCA output
4/11/2012	4.00	150.00	\$600.00	PCA support
4/12/2012	8.00	150.00	\$1,200.00	Scatterplots of tox vs all chemicals; PCA support
4/13/2012	5.00	150.00	\$750.00	PCA Support
4/16/2012	1.00	150.00	\$150.00	PCA
4/17/2012	7.00	150.00	\$1,050.00	Scatterplots, PCA; file documentation and organization; run correlations to QC XLStat correlations
Summary for Lucinda Tear				
	29.00		\$4,350.00	

Mike Johns

Date	Hours	Rate	Extended	Notes
4/6/2012	2.00	170.00	\$340.00	Work on initial data exploratory data analysis
4/18/2012	2.00	170.00	\$340.00	Discuss and direct exploratory analysis of benthic toxicity data
4/20/2012	3.00	170.00	\$510.00	Reviewed next iteration of data analysis
4/27/2012	2.00	170.00	\$340.00	Presentation materials for RASC and SMWG presentations
4/30/2012	5.00	170.00	\$850.00	mtg prep
Summary for Mike Johns	14.00		\$2,380.00	

Mike Yarnes

Date	Hours	Rate	Extended	Notes
4/5/2012	2.50	90.00	\$225.00	Set up ArcReader map for upcoming meeting.
Summary for Mike Yarnes	2.50		\$225.00	

Summary for Task 36.2 Initial Benthic Assessment

109.50	\$14,290.00
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Summary for Passaic RI

822.25	\$108,337.50
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Task 36

Travel Transaction Line Item Detail

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Cardholder Name LISA SABAN
Cardholder Acct No. ~~XXXXXXXXXXXX~~
Transaction Date 03/12/2012

Supplier Name ALASKA AIR
Supplier Location US, Seattle WA
Amount 1,569.60 USD

Passenger Name Saban/Ilsa
Departure Date 04/30/2012
Ticket Number 0272183934408
Ticket Indicator 0

Travel Agency Name
Fare Amount 0.00 USD
Total Fee Amount 0.00 USD
Total Tax Amount

Leg No.	Origin Airport Code	Dest. Airport Code	Carrier Code	Service Class	Fare Basis	Travel Date	Stop Over Code	Coupon No.	Carrier Ref No.	Departure Time	Arrival Time
1	SEA	EWR	AS	F		04/30/2012	1 0			00:00	00:00
2	EWR	SEA	AS	F		04/30/2012	1 0			00:00	00:00

— End of Report —

Showing Page 1 of 1

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SERVER NAME



Task 3B

Travel Transaction Line Item Detail

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Cardholder Name LISA SABAN
Cardholder Acct No. ~~XXXXXXXXXXXX~~
Transaction Date 03/12/2012 ✓

Supplier Name
Supplier Location
Amount

ALASKA AIR
 US, Seattle WA
 1,569.60 USD ✓

Passenger Name Johns/michael ✓
Departure Date 04/30/2012
Ticket Number 0272183934409
Ticket Indicator 0

Travel Agency Name
Fare Amount 0.00 USD
Total Fee Amount 0.00 USD
Total Tax Amount

Leg No.	Origin Airport Code	Dest. Airport Code	Carrier Code	Service Class	Fare Basis	Travel Date	Stop Over Code	Coupon No.	Carrier Ref No.	Departure Time	Arrival Time
1	SEA	EWR	AS	F		04/30/2012	1 0			00:00	00:00
2	EWR	SEA	AS	F		04/30/2012	1 0			00:00	00:00

— End of Report —

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Server name

Task 33

W UNIVERSITY LIBRARIES
UNIVERSITY of WASHINGTON

Invoice # LIB003341

Billing Date: 4/3/2012

Budget #14-0500

Bill to:

Sarah Fowler
Windward Environmental
200 W Mercer St #401
Seattle, WA 98119 USA

Mail Payment to:

University of Washington
Invoice Receivables
PO Box 94224
Seattle, WA 98124-6524

Due Date
5/3/12

Please include your invoice number on your check

Total Due (US Funds)
\$153.30

Make checks payable to: University of Washington
Pay by VISA or Mastercard at <https://p.lib.washington.edu/payment/ill.do>

Federal Tax ID #91-8001537

Transaction #	Citation	Amount
802307	Alsop, RG and Forney, JL. Growth and food of white perch in Oneida Lake. New York Fish and Game Journal 9 (1962): 133-6 Article from the UW Libraries. Billing Notes: Standard - Passaic Task 33, LHP RTC 3-20-2012	\$20.0000
802308	Barila, FY and Stauffer JR, Jr.. Temperature behavioral responses of the American eel, Anguilla rostrata (LeSueur), from Maryland. Hydrobiologia 74 (1980): 49-51 Article from the UW Libraries. Billing Notes: Standard - Passaic Task 33, LHP RTC 3-20-2012	\$20.00
802309	Godfrey, H. Feeding of eels in four New Brunswick salmon streams. Progress Reports of the Atlantic Coast Stations 67 (1957): 19-22 Article from the UW Libraries. Billing Notes: Standard - Passaic Task 33, LHP RTC 3-20-2012	\$20.00
802311	Parker, SJ. Homing ability and home range of yellow-phase American in a tidally dominated estuary. Journal of the Marine Biological Association of the United Kingdom 75 (1995): 127-140 Article from the UW Libraries. Billing Notes: Standard -	\$20.00
802315	Hill, LJ. Reactions of the American eel to dissolved oxygen tensions. Texas Journal of Science 20 (1969): 305-313 Article from the UW Libraries. Billing Notes: Standard -	\$20.00

Billing Questions: 206-221-3420

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TK
4/15

Task 33

W UNIVERSITY LIBRARIES
UNIVERSITY of WASHINGTON

Invoice # LIB003368

Billing Date: 4/3/2012

Budget #14-0500

Bill to:

Brian Church
Windward Environmental, LLC
200 West Mercer St
Suite 401
Seattle, Wa 98119

Mail Payment to:

University of Washington
Invoice Receivables
PO Box 94224
Seattle, WA 98124-6524

Due Date

5/3/12

Please include your invoice number on your check

Total Due (US Funds)

\$43.80

Make checks payable to: University of Washington
Pay by VISA or Mastercard at <https://p.lib.washington.edu/payment/ill.do>

Federal Tax ID #91-6001537

Transaction #	Citation	Amount
806773	Klauda, RJ; McLaren, JB; Schmidt RE; and Dey WP. Life history of white perch in the Hudson River estuary . American Fisheries Society Monograph 4 (1988): 69-88 Article from the UW Libraries. Billing Notes: Standard - Passaic Task 33, LHP RTC 3-30-2012, at request of	\$40.00

Subtotal: \$40.00

Tax: \$3.80

Total: \$43.80

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*Overdue unpaid invoices may result in refusal of service.

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Billing Questions: 206-221-3420

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4/15

Heidi Enders

From: Berit Bergquist
Sent: Friday, March 30, 2012 12:35 PM
To: Heidi Enders
Subject: FW: JSTOR: Publisher Sales Service receipt

Charged to WW credit card - Passaic Task 33 ✓

-----Original Message-----

From: JSTOR Webshop [<mailto:service@jstor.org>]
Sent: Friday, March 30, 2012 12:34 PM
To: Berit Bergquist
Subject: JSTOR: Publisher Sales Service receipt

This is a receipt for your purchase. An email with your access token(s) will be sent to you shortly.

Article purchased:

Mitochondrial DNA Analysis of Chesapeake Bay White Perch, *Morone americana* Timothy J. Mulligan and Robert W. Chapman Copeia, Vol. 1989, No. 3 (Aug. 8, 1989), pp. 679-688 (article consists of 10 pages)
Published by: American Society of Ichthyologists and Herpetologists (ASIH) Stable URL:
<http://www.jstor.org/stable/1445495>

Total price: \$ 12.00 USD ✓

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Passare
Task 33 ✓**Order Placed:** March 30, 2012**Amazon.com order number:** 105-6962163-4700210**Order Total: \$13.97****Shipped on March 31, 2012****Items Ordered**1 of: *Fisheries Research in the Hudson River*, C. Lavett Smith

Condition: Used - Good

Sold by: pati_robison ([seller profile](#))**Price**

\$6.98

Shipping Address:

Karen Tobiason

7342 13TH AVE NW

SEATTLE, WA 98117-5305

United States

Item(s) Subtotal: \$6.98

Shipping & Handling: \$6.99

Total Before Tax: \$13.97

Sales Tax: \$0.00

Shipping Speed:

Expedited Shipping

Total for This Shipment: \$13.97

Payment Information**Payment Method:**

Visa | Last digits: 6679

Item(s) Subtotal: \$6.98

Shipping & Handling: \$6.99

Billing Address:

Karen Tobiason

Windward Environmental

200 W Mercer St., Suite 401

Seattle, WA 98119

United States

Total Before Tax: \$13.97

Estimated Tax To Be Collected: \$0.00

Grand Total: \$13.97To view the status of your order, return to [Order Summary](#).**Please note:** This is not a VAT invoice.[Conditions of Use](#) | [Privacy Notice](#) © 1996-2012, Amazon.com, Inc. or its affiliates